

Recombinant Human CCND3 protein, GST-tagged

Cat. No. CCND3-839H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CCND3 (1 a.a. - 100 a.a.) fused with GST tag at N-terminal was expressed in Wheat Germ.
Species	Human
Source	Wheat Germ
ProteinLength	1-100 a.a.
Description	The protein encoded by this gene belongs to the highly conserved cyclin family, whose members are characterized by a dramatic periodicity in protein abundance through the cell cycle. Cyclins function as regulators of CDK kinases. Different cyclins exhibit distinct expression and degradation patterns which contribute to the temporal coordination of each mitotic event. This cyclin forms a complex with and functions as a regulatory subunit of CDK4 or CDK6, whose activity is required for cell cycle G1/S transition. This protein has been shown to interact with and be involved in the phosphorylation of tumor suppressor protein Rb. The CDK4 activity associated with this cyclin was reported to be necessary for cell cycle progression through G2 phase into mitosis after UV radiation. Several transcript variants encoding different isoforms have been found for this gene.
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	36.74 kDa

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AA Sequence	MELLCCGTRHAPRAGPDPRL LGDQ RVLQSLLRLEERYVPRASYFQCVQREIKPHM RKMLAYWMLEVCEEQRCEE EVFPLAMNYLD RYLSCVPTRKAQLQ
Applications	Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein); Antibody Production; Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	CCND3 cyclin D3 [Homo sapiens]
Official Symbol	CCND3
Synonyms	G1/S-specific cyclin-D3; D3-type cyclin
Gene ID	896
mRNA Refseq	NM_001760
Protein Refseq	NP_001751
MIM	123834
UniProt ID	P30281
Chromosome Location	6p21
Pathway	B Cell Receptor Signaling Pathway, organism-specific biosystem; Cell Cycle,

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organism-specific biosystem; Cell cycle - G1/S transition, organism-specific biosystem

Function

cyclin-dependent protein serine/threonine kinase activity; protein binding; protein kinase binding

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